

REGISTRATION

To register, please use the online registration form at www.fep.fraunhofer.de/ipd

For participation and registration to Industry Partners Day on September 28, 2016 we charge a participant fee of 85 €.

The number of participants is limited.
The latest program will always be available at www.fep.fraunhofer.de/ipd until September 28, 2016.

Next to this an accompanying exhibition with selected booths will take place. For companies a participation as a sponsor is possible. A few time slots for short talks are still available. Please do not hesitate to contact us, if you are interested in sponsoring the event!

CONTACT

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DIRECTIONS

Fraunhofer FEP
Winterbergstraße 28 | 01277 Dresden, Germany
Detailed directions to the Fraunhofer FEP in Dresden:
www.fep.fraunhofer.de



www.openstreetmap.org

4TH INDUSTRY PARTNERS DAY

Medicine

SEPTEMBER 28, 2016 | FRAUNHOFER FEP



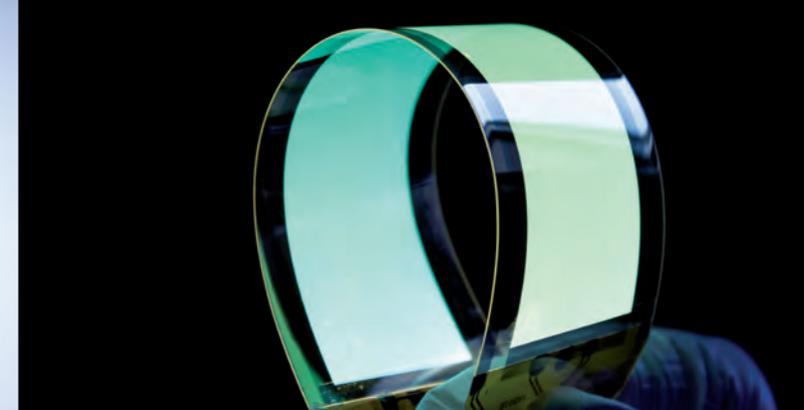
WELCOME

The growth in the medical technology sector is being accompanied by a great variety of innovations. The development of new products and medical equipment is often based on specially customized starting materials.

At Fraunhofer FEP we have been developing technologies for modifying and coating surfaces for many years. Furthermore we are researching and developing solutions in the field of organic electronics, which can be applied for medical applications e.g. in form of organic sensorics or organic light emitting diodes (OLED).

We are increasingly using this know-how for medical technology and are in able to use our core technologies for applying biofunctional coatings to surfaces and to customize surface properties e.g. to improve the biocompatibility of implants. Furthermore the detection of contaminations or the cleaning and sterilization in the medical sector are important research topics of Fraunhofer FEP.

We invite all partners and customers to participate in our 4th Industry Partners Day on September 28, 2016 in Dresden. The event will give you the opportunity to inform yourself about latest trends in the field of electron beam and plasma technology and organic electronics especially for medical applications. Together with our partners we will give an insight to these topics with a wide range of interesting presentations. Furthermore you will have the chance to gain an exclusive insight into current research activities of Fraunhofer FEP and to have a look at our latest demonstrators and exhibits by participating in a labtour to our biomedical laboratory and REAMODE. Next to this an accompanying exhibition with selected booths will take place. The Industry Partners day offers the opportunity for networking and lively exchange between entrepreneurs, researchers and interested people of the medical sector.



PRELIMINARY PROGRAM

08.30 Opening

Dr. Uwe Vogel, Fraunhofer FEP

Keynote

Ralf Kretzschmar, Pharmatec GmbH

BIOSENSORICS AND MICRODISPLAYS

Photo-organic sensors in biotechnology – applications and challenges

Felix Krujatz, TU Dresden

Structured organic photodetectors via orthogonal photolithography

Matthias Jahnel, Fraunhofer FEP

N.N.

Dr. Gunther Haas, MICROOLED

OLED Microdisplays – Enabling Advanced Near-to-Eye (NTE) Displays, Sensors, and Beyond

Dr. Uwe Vogel, Fraunhofer FEP

Coffee Break

CLEANING AND STERILIZATION

Detection of contaminations

N.N.

SteriHealth® – a compact e-beam sterilization system

Frank-Holm Rögner, Fraunhofer FEP

Sterilization of tissue transplants with electron beam

Dr. Jessy Schönfelder, Fraunhofer FEP

Cleaning for special requirements of medical products

Hannes Köble, UCM AG

Official award ceremony

Idea contest winners of flex-MED

Lunch

COATINGS FOR MEDICINE

Photocatalytic coating of implants

Dr. Heidrun Klostermann, Fraunhofer FEP

Ceramic Surfaces in Joint Replacement

Thomas Oberbach, Mathys AG

Silver-copper mixed layers as an example for antibacterial coatings

Gabi Gotzmann, Fraunhofer FEP

Coatings for stents in the coronary heart disease

Dr. Andreas Mucha, MAT Dresden GmbH

Coffee Break

LIGHT IN MEDICINE

Biodegradable electronics

Dr. Michael Hoffmann, Fraunhofer FEP

Light induced wound healing

Prof. Dr. Norbert Gretz, Universität Heidelberg

OLED light application in medicine and cytotoxicity of the materials

Dr. Jacqueline Hauptmann, Fraunhofer FEP

LAB TOURS

BioMedLab

REAMODE Laboratory unit for modifying organic materials using accelerated electrons

17.00 End

FLEX-MED IDEA CONTEST

Invitation to the idea contest „flex-MED“

Questions of the future – we are searching for ideas! Regardless of whether you are specialist, student, pensioner or private person – take part in our contest and send us your ideas!

flex-MED – what is it?

Flex stands for flexible electronics – electronics which is extremely light and easy to shape. Flexible electronics is bendable and can be applied on various surfaces regardless of their shape.

MED stands for medicine/healthcare where flexible electronics soon will play an important role.

The aim of flex-MED is to unite those two areas and to generate new ideas for applications, products and concepts.

For inspiration check out the potential of flexible electronics on our website.

For detailed information about the contest, requirements and prizes go to: flexmed.flex-plus.de. The competition is running from June 1 until July 31, 2016.

Become a product pioneer and propose a solution for today's and future healthcare challenges! We are looking forward to your ideas!